

## PATENT ABSTRACTS OF JAPAN

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## (54) FOAMING AGENT THAT CAN CONTROL FOAM

(57)Abstract:

PURPOSE: To make foams once foamed disappear and to control foams easily by containing a temp. reactive high molecular compd. having LCST.

CONSTITUTION: A temp. reactive high molecular compd. having LCST is a high molecular compd. having a negative solubility temp. factor against water, in which a hydrate thereof decomposes depending on hydrogen bonding of the high molecular compd. formed at a low temp. to water molecules at a high temp. and coagulates each other to precipitate by dehydration. LCST is a transfer temp. from hydration to dehydration of such temp. reactive high molecular compd. As the temp. reactive high molecular compounds, there may be cited, for example, poly-N-substd. acrylamide derivatives, poly-N-substd. methacrylamide derivatives and their copolymers, polyvinyl ethyl ether, polyvinyl alcohol partial acetylation compounds, polyalkylene oxide, or the like.